



PATENT

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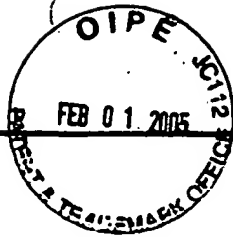
Signature

Applicant : Henry Li, et al.  
Application No. : 09/522,184  
Filed : March 9, 2000  
Title : VOICE AND DATA EXCHANGE OVER A PACKET BASED NETWORK  
Grp./Div. : 2743  
Examiner : To be Assigned  
Docket No. : 36941/PAN/B600

ATTACHMENT TO  
INFORMATION DISCLOSURE STATEMENT  
OF U.S. PATENT APPLICATIONS TO BE CONSIDERED BY THE EXAMINER  
BUT NOT TO BE PRINTED ON THE PATENT

The following commonly owned, co-pending patent applications contain similar subject matter as the present application.

PENDING APPLICATIONS		
U.S. Serial No.	Filing Date	First Named Inventor(s)
09/639,527	August 16, 2000	Jordan James Nicol
09/493,458	January 28, 2000	Henry Li
09/643,920	August 23, 2000	Onur Tackin et al.
09/692,554	October 19, 2000	Wilf Le Blanc et al.
09/644,586	August 23, 2000	Henry Li
09/643,921	August 23, 2000	Wilf Le Blanc et al.
09/653,261	August 31, 2000	Onur Tackin et al.
09/654,376	September 1, 2000	Onur Tackin
09/533,022	March 22, 2000	Wilf Le Blanc et al.
09/697,777	October 26, 2000	Wilf Le Blanc et al.
09/651,006	August 29, 2000	Kenny C. Kwan
EXAMINER		DATE CONSIDERED 2/19/05



FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number	36941/PAN/B600
Application Number	09/522,184
Filing Date	March 9, 2000
Applicant(s)	Henry Li et al.
Group Art Unit	<del>2743</del> 2661
Examiner Name	To Be Assigned

**U.S. PATENT DOCUMENTS**

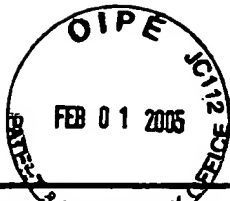
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - kind code <sup>2</sup> (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
<i>R</i>		4,285,060	08-18-1981	Cobb et al.
		5,329,587	07-12-1994	Morgan et al.
		5,388,127	02-07-1995	Scarpa
		5,454,015	09-26-1995	Olafsson
		5,598,468	01-28-1997	Ammicht et al.
		5,790,641	08-04-1998	Chan et al.
		5,852,630	12-22-1998	Langberg et al.
		5,859,671	01-12-1999	Kim
		6,125,177	09-26-2000	Whittaker
		6,233,226 B1	05-15-2001	Gringeri et al.
<i>R</i>		6,259,677 B1	07-10-2001	Jain

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)

EXAMINER SIGNATURE	<i>[Signature]</i>	DATE CONSIDERED	2/19/05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

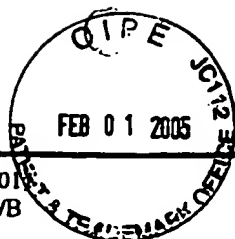


<b>FORM PTO/US/1001 (10-01)</b> Substitute for PTO-1449A/B  <b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Attorney Docket Number</b>	<b>36941/PAN/B600</b>
	<b>Application Number</b>	<b>09/522,184</b>
	<b>Filing Date</b>	<b>March 9, 2000</b>
	<b>Applicant(s)</b>	<b>Henry Li et al.</b>
	<b>Group Art Unit</b>	<b><del>2743</del> 2661</b>
	<b>Examiner Name</b>	<b>To Be Assigned</b>

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>RL</i>		R. W. LUCKY, <i>QAM Receiver I. General Description of Complete Receiver Block Diagram and Details of the Symbol Clock Recovery and Other Front-End Subsystems</i> , Applications of Communications Theory, Chapter 13, pages 127-135, Bellcore
		R. W. LUCKY, <i>QAM Receiver II. The Passband Adaptive Equalizer and Carrier Recovery System</i> , Applications of Communications Theory, Chapter 14, Pages 137-151, Bellcore
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		EDWARD A. LEE et al., <i>Timing Recovery</i> , Digital Communication, Chapter 15, Pages 560-582
		WILLIAM WEBB et al., <i>Basic Equaliser Techniques</i> , Modern Quadrature Amplitude Modulation, Principles and Applications for Fixed and Wireless Communications, IEEE Press, New York, Chapter 7, Pages 197-211
		MIKE GRAY, <i>FAX Technology Tutorial and Testing Issues</i> , Agilent Technologies, © 2000, pages 1-20
		<i>FAX Over IP Opportunities and Options</i> , Natural MicroSystems, 7 sheets
		MAN MOHAN SONDHAI et al., <i>Silencing Echoes on the Telephone Network</i> , Proceedings of the IEEE, © August 1980, Vol. 68, No. 8, pages 948-963
		JOHN G. PROAKIS, <i>Digital Signaling Over a Channel With Intersymbol Interference</i> , Digital Communications, ISBN 0-07-05097-1, © 1983, Pages 357-381, McGraw-Hill, Inc.
		JOHN A.C. BINGHAM, <i>Timing Recovery</i> , The Theory and Practice of Modem Design, © 1988, Chapter 7, pages 189-236, John Wiley & Sons, Inc.
<i>RL</i>		JOHN A.C. BINGHAM, <i>Linear Adaptive Equalizers</i> , The Theory and Practice of Modem Design, © 1988, Chapter 8, pages 237-252, John Wiley & Sons, Inc.

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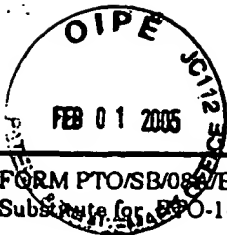


<b>FORM PTO/SB/08A/B (10-01)</b> Substitute for PTO-1449A/B  <b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Attorney Docket Number</b>	<b>36941/PAN/B600</b>
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	<b>Applicant(s)</b>	<b>Henry Li et al.</b>
	<b>Group Art Unit</b>	<b>2148 2661</b>
	<b>Examiner Name</b>	<b>To Be Assigned</b>



OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		DENNIS R. MORGAN et al., AT & T Bell Laboratories; <i>A Multi-Tone Pseudo-Cascade Filtered-X LMS Adaptive Notch Filter</i> , Proceeding of the IEEE International Conference in Acoustic Speech and Signal Processing, ICASSP 91, Vol. 3 D, May 1991, Toronto, Ontario, Canada, pages 2093-2096
		PANOS E. PAPAMICHALIS, Texas Instruments, Inc., <i>Practical Approaches to Speech Coding</i> , Prentice-Hall, Inc., Englewood Cliffs, New Jersey; 1992, pages 163-167
		JAMES THI et al., AT & T Bell Laboratories; <i>A Broadband Pseudo-Cascade Active Control System</i> , Proceeding of the IEEE International Conference in Acoustic Speech and Signal Processing; © 1992 IEEE; pp. II-233-II-236
		DENNIS R. MORGAN et al., AT & T Bell Laboratories, <i>A Multitone Pseudocascade Filtered-X LMS Adaptive Notch Filter</i> , IEEE Transactions on Signal Processing, Vol. 41, No. 2; © February 1993; pages 946-956
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; <i>Data Communication Over The Telephone Network, A Modem Operating At Data Signalling Rates Of Up To 28 800 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits</i> , ITU-T Recommendation V.34; © ITU 1994; 43 sheets
		IEEE; IEEE Standards for Local and Metropolitan Area Networks: Supplement to Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, "Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T (Clauses 21-30); © 1995; 408 sheets
		DENNIS R. MORGAN et al., <i>A Delayless Subband Adaptive Filter Architecture</i> , IEEE Transactions on Signal Processing; Vol. 43, No. 8; © August 1995, pages 1819-1830
		EDWARD B. MORGAN, Fax Over Packet; Telogy Networks, Inc., Germantown, Maryland; © 1998; pages 1-12


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<b>FORM PTO/SB/082/B (10-01)</b> Substitute for PTO-1449A/B  <b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Attorney Docket Number</b>	<b>36941/PAN/B600</b>
	<b>Application Number</b>	<b>09/522,184</b>
	<b>Filing Date</b>	<b>March 9, 2000</b>
	<b>Applicant(s)</b>	<b>Henry Li et al.</b>
	<b>Group Art Unit</b>	<b><del>2743</del> 2661</b>
	<b>Examiner Name</b>	<b>To Be Assigned</b>

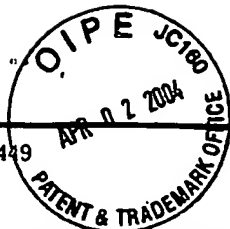
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EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Systems and Networks, <i>Automatic Level Control Devices</i> ; ITU-T Recommendation G.169; © ITU 1999; pages 1-52
		ETSI EN 300 973, GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS, <i>Digital cellular telecommunications system (Phase 2+); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels</i> ; GSM 06.42 version 8.0.1 Release 1999); © 2000; pages 1-22

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FORM PTO-1449

## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	36941/CAG/B600
Application Number	09/522,184
Filing Date	March 9, 2000
Applicant(s)	Henry Li, et al.
Group Art Unit	<del>2743</del> 2661
Examiner Name	To be assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>✓</i>	5,119,322	06/1992	Stroobach	364	724.09	
	5,353,346	10/1994	Cox et al.	379	386	
	5,535,271	07/1996	Jangi et al.	379	351	
	5,694,517	12/1997	Sugino et al.	395	2.17	
	5,793,498	08/1998	Scholl et al.	358	434	
	5,818,929	10/1998	Yaguchi	379	418	
	5,970,441	10/1999	Mekuria	704	207	
	5,987,061	11/1999	Chen	375	222	
	6,028,679	02/2000	Murphy	358	407	
	6,023,470	02/2000	Lee et al.	370	401	
	6,141,341	10/2000	Jones et al.	370	352	
<i>✓</i>	6,151,636	11/2000	Schuster et al.	709	247	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>✓</i>	WO 97/26753	07/1997	WIPO				
<i>✓</i>	WO 97/28628	08/1997	WIPO				

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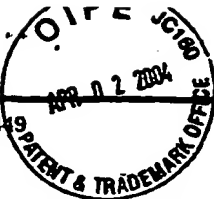
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**OTHER DOCUMENTS**

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
/	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, "300 Bits Per Second Duplex Modem Standardized For Use in The General Switched Telephone Network," ITU-T Recommendation, 1988, 1993, 7 pages, V. 21, ITU
/	INTERNATIONAL TELECOMMUNICATION UNION, CCITT- The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, "A2-Wire Modem for Facsimile Applications With Rates up to 14 400 bit's" Recommendation, 1991, 13 pages, V. 17, ITU, Geneva
/	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T- Telecommunication Standardization Sector of ITU, SERIES T: TERMINAL EQUIPMENTS AND PROTOCOLS FOR TELEMATIC SERVICES, "Procedures for Document Facsimile Transmission in the General Switched Telephone Network," ITU-T Recommendation, 07/1996, 74 pages, T.30, ITU
/	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, "9600 Bits Per Second Modem Standardized For Use On Point-To-Point 4-Wire Leased Telephone-Type Circuits," ITU-T Recommendation, 1988, 1993, 17 pages, V. 29, ITU
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/	INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, "Data Compression Procedures For Data Circuit Terminating Equipment (DCE) Using Error Correction Procedures," ITU-T Recommendation, 1990, 29 pages, V.42 bis, ITU

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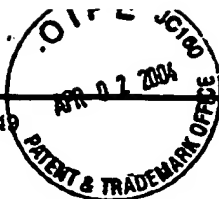
## OTHER DOCUMENTS

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/	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, SERIES T: TERMINAL EQUIPMENTS AND PROTOCOLS FOR TELEMATIC SERVICES, "Standardization of Group 3 Facsimile Terminals for Document Transmission," ITU-T Recommendation, 07/1996, 61 pages, T.4, ITU. ✓
/	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over the Telephone Network, Simultaneous Transmission of Data and Other Signals, "A Digital Modem and Analogue Modem Pair For Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of up to 56 000 bit/s Downstream and up to 33 600 bit/s Upstream," ITU-T Recommendation, 09/1998, 49 pages, V.90, ITU ✓
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/	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, "A Family of 2-Wire, Duplex Modems Operating at Data Signalling Rates of up to 9600 bit/s For Use on The General Switched Telephone Network and on Leased Telephone-Type-Circuits," ITU-T Recommendation, 03/1993, 27 pages, V.32, ITU ✓
/	INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, "1200 Bits per Second Duplex Modem Standardized For Use in the General Switched Telephone Network and on Point-to-Point 2-Wire Leased Telephone-Type Circuits," ✓

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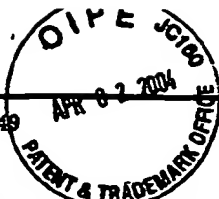
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/	ITU-T Recommendation(Extract from the Blue Book), 1988, 1993, 16 pages, V. 22, ITU ✓
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/	ITU-T Recommendation (Extract from the Blue Book), 1988,1993, 18 pages, V.22 bis, ITU
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/	ITU-T Recommendation G.729 - Annex A, 11/1996, 15 pages, ITU
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STATEMENT BY APPLICANT**

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Attorney Docket Number	36941/CAG/B600
Application Number	09/522,184
Filing Date	March 9, 2000
Applicant(s)	Henry Li, et al.
Group Art Unit	2743
Examiner Name	To be assigned

**OTHER DOCUMENTS**

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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